

Abstract of the Disclosure:

Disclosed is a system for allowing on-demand delivery of data, such as MPEG-2
5 compressed video data, to a subscriber from a content server. The system utilizes a managed IP
network that is coupled to the one or more content servers that allows the content servers to
deliver data such as video, audio, and textual data with a guaranteed quality of service that is at
least as good as broadcast quality service. The managed IP network is connected to a head end
or other local cable service provider where video is delivered locally to subscribers. The IP
10 transport data is translated to MPEG transport data, multiplexed onto an MPEG transport system,
digitally modulated onto an rf carrier and up-converted to a specific frequency channel. The
signal is then applied to the cable for delivery to the subscriber. Upstream signaling occurs
through a set top box or computer that is connected to the cable and subsequently to a digital
modulator/demodulator and ISP to a managed IP network 66. Low band signals can also be
15 transmitted from the content servers back to the set top box or computer indicating confirmation
of an order. Also, control signals such as stop, rewind, fast-forward, and slow can be transmitted
back to the content server to control the transmission of data from the content server to the
subscriber.